HRS COVER SHEET

CONFIDENTIAL

FACILITY NAME: C & D Batteries, Huguenot, NY

EPA I.D. #: NYD 064337298

ORIGINAL PRIORITY: Low

REVIEWED BY: FIT-2, Jane Bullis

REASSESSED PRIORITY: NFRAP

REVIEWED BY:

COMMENTS: There is a potential for contamination of the groundwater with lead from the manufacturing process. The NYDEC has a Phase II investigation planned for the site. Hazardous waste generated on-site is stored for off-site shipment in accordance with RCRA manifest requirements.

PREPARER: Kate Donnelly DATE: 9/7/88

C and D Batteries

CONFIDENTIAL: NOT FOR RELEASE

HRS

	S	S^2
Groundwater Route Score (S_{gw})	0	0
Surface Water Route Score (S_{sw})	0	0
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		0
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		0
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M$		0

WORKSHEET FOR COMPUTING S_M

PRO

	S	S^2
Groundwater Route Score (S_{gw})	25.4	645.16
Surface Water Route Score (S_{sw})	4.5	20.25
Air Route Score (S_a)	0.0	0.00
$S_{gw}^2 + S_{sw}^2 + S_a^2$		665.41
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		25.7
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M$		14.9

WORKSHEET FOR COMPUTING S_M

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Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	(0) 45	1	0	45	0
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2 Route Characteristics					
Depth to Aquifer of Concern	0 1 2 (3)	2	6	6	6
Net Precipitation	0 1 (2) 3	1	2	3	2
Permeability of the Unsaturated Zone	0 1 2 (3)	1	3	3	3
Physical State	0 1 2 (3)	1	3	3	3
Total Route Characteristics Score			14	15	14
3 Containment	(0) 1 (2) 3	1	0	3	2
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 (18)	1	18	18	18
Hazardous Waste Quantity	0 (1) (2) 3 4 5 6 7 8	1	1	8	2
Total Waste Characteristics Score			19	26	20
5 Targets					
Ground Water Use	0 1 (2) 3	3	6	9	6
Distance to Nearest Well/Population Served	0 4 6 8 10 / 12 16 18 (20) / 24 30 32 35 40	1	20	40	20
Total Targets Score			26	49	26
6 If line 1 is 45, multiply 1 x 4 x 5 / If line 1 is 0, multiply 2 x 3 x 4 x 5			0	57,330	14,560
7 Divide line 6 by 57,330 and multiply by 100	S_{gw} = 0				25.4

Surface Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	(0) 45	1	0	45	0
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					
Facility Slope and Intervening Terrain	0 (1) 2 3	1	1	3	1
1-yr. 24-hr. Rainfall	0 1 (2) 3	1	2	3	2
Distance to Nearest Surface Water	0 1 2 (3)	2	6	6	6
Physical State	0 1 2 (3)	1	3	3	3
Total Route Characteristics Score			12	15	12
3 Containment	(0) 1 (2) 3	1	0	3	2
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 (18)	1	18	18	18
Hazardous Waste Quantity	0 (1) (2) 3 4 5 6 7 8	1	1	8	2
Total Waste Characteristics Score			19	26	20
5 Targets					
Surface Water Use	0 1 (2) 3	3	6	9	6
Distance to a Sensitive Environment	(0) 1 2 3	2	0	6	0
Population Served/Distance to Water Intake Downstream	(0) 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	0
Total Targets Score			6	55	6
6 If line 1 is 45, multiply 1 x 4 x 5. If line 1 is 0, multiply 2 x 3 x 4 x 5			0	64,350	2880
7 Divide line 6 by 64,350 and multiply by 100		S_{sw} =	0		4.5

Air Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	PRO
1 Observed Release	(0) 45	1	0	45	0
Date and Location:					
Sampling Protocol:					
If line 1 is 0, then S_a = 0. Enter on line 5 If line 1 is 45, then proceed to line 2					
2 Waste Characteristics					
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
	Total Waste Characteristics Score			20	
3 Targets					
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
	Total Targets Score			39	
4 Multiply 1 x 2 x 3				35,100	
5 Divide line 4 by 35,100 and multiply by 100		S_a =	0	0	